

Index to INDUSTRIAL STANDARDIZATION

Volume 3, January-December, 1932

The following index covers the 12 issues comprising volume 3 of INDUSTRIAL STANDARDIZATION for the year 1932. Previous to July, 1932, the name of the publication was ASA BULLETIN. The name was changed to INDUSTRIAL STANDARDIZATION with the July, 1932, issue. Consecutive paging carrying through the entire volume was used, and a list of page numbers included in each month follows (*italic figures are used in the index for page numbers*):

January	1-46
February	47-84
March	85-110
April	111-140
May	141-170
June	171-200
July	201-222
August	223-236
September	237-250
October	251-264
November	265-298
December	299-324

Abbreviations and symbols

electric power (Z10g2), radio (Z10g3), and traction (Z10g5), drafts available, 80.
mechanics, structural engg and testing materials (Z10a-1932), std approved by ASA, 82.
symbols stdzn (Z10), *Moss*, 61.
Acoustical measurements and terminology (Z24)
project recommended to ASA, 81; com organized, 195.
scope and title changes approved, 222.
Standards Council approves initiation of project, 138.
Aeronautics, Germany uses color marking (DIN L43), 324.
Agnew, P. G. and McNair, J. W.—Certification and labeling activities in 60 commodity fields, 1.
Ainsworth, Cyril.—Safety codes—the basis of Pennsylvania's progress in accident prevention, 178. State requirements for industrial lighting, 284.
Airplanes—see Aeronautics
American Inst of Architects appoints L. L. Smith, 29.
American Inst of Elec Engrs, standards com rpt, 242.
American Marine Standards Com appoints H. Gerrish Smith, chmn, 130.
American Railway Engg Assn meets with ASA staff, 222.
American Soc for Testing Materials
annual meeting, 1932, 184; sectional com rpt, 233.
Chapman, Cloyd M., elected pres, 229.
committee meetings, March 7-11, 1932, 133.
committees C-5, C-12, and D-7, activities, 160.
publications noted
electrical insulating materials, 296.
index, 78; 184.
malleable iron castings, 99.
materials specifications, economic significance, 31.
petroleum products com rpt (D-2), 298.
Proceedings, 1931, 132.
refractory materials com rpt (C-8), 257.
rubber symposium, 151.
steel embrittlement rpt, 313.
supplement to *Book of Standards* issued, 1932, 296.

American Soc of Heating and Vent Engrs publish *Engineer's Guide*, 1932, 133.
American Soc of Sanitary Engg Member-Body of ASA, 60; appoints rep on Standards Council, 99; correction, 130.
American Standards Assn
administration
American Inst Elec Engrs appoints rep on ESC, 242.
American Soc of Sanitary Engg, Member-Body, 60.
board of directors, C. R. Burt appointed, 256; J. C. Parker appointed, 131; L. J. Briggs to rep U. S. Dept. of Commerce, 286; new members announced, 99.
committee on procedure and administrative problems appointed, 1932, 98.
committee reports, ASTM meeting, June 20-24, 233.
cooperation with Nat Bur of Standards, 176.
election of officers for 1932, 29.
electrical standards com and U. S. Nat com of IEC hold joint meeting, 30; ESC meets, 198.
mining correlating com annual meeting, 100.
review of activities for 1931, *Chapman*, 25.
safety code correlating com elects officers, 318.
staff meets with Amer Railway Engg Assn, 222.
standards council, Amer Soc of Sanitary Engg appoints rep, 99; correction, 130; meeting omitted, June, 1932, 193; Ethelbert Stewart withdraws, 230.
United States Nat Com and ESC stdzn work consolidated, 199.
ASA Bulletin, index issued for numbers 57-68, Jan.-Dec., 1931 as part two of March, 1932 issue; name changed to *Industrial Standardization* with July 1932 issue, 171; 201; volume numbers noted, 98.
Anderson, R. P.—Methods of testing petroleum products and lubricants (Z11), 297.
Austria, nat standardizing body certifies goods, 182.
Automobiles
component design and stdzn, *Whitehead*, 308.
interchangeability of parts, 324.
safety standards, *Halsey*, 265.
Automotive transportation—see Transportation
Bearce, H. W.—Definition of the inch, 287.
Belting, leather, standards changed, 188.
Binders, loose leaf, standards needed, 260.
Blankets, commercial std available, 313.
Boilers, German, water tubes and stay tubes, 133.
Bricks, face, grading rules, 264.
Bridges, steel (A3b, A34), ASCE withdraws projects, 109.
Buelow, A. E. and Case, G. S.—Standardization as developed in the Lamson and Sessions Co., 251.
Building
American std safety code (A10), *Smith*, 320.
Cincinnati societies develop specifications, 24.
Bureau of Standards, cooperation with ASA, 176; Yearbook for 1932 issued, 214.
Burgess, Dr. G. K., work reviewed by P. G. Agnew, 229.
Burlingame, Luther D., death of, 214.
Business depression and stdzn, *Kienzle*, 237.
Canada holds economic conference, urges stdzn, 241.
Case, G. S. and Buelow, A. E.—Standardization as developed in the Lamson and Sessions Co., 251.
Cedar shingles, red, commercial std published, 82.
Cement, Portland, editorial changes in American Standard (A1a-1931), 319.
Certification and labeling
Agnew, P. G. and McNair, J. W.—Certification and labeling activities in 60 commodity fields, 1.
Austria, nat standardizing body certifies goods, 182.
legislation proposed in Congress, 151.

- Chapman, Cloyd M.
 elected pres of ASTM, 229; review of ASA activities for 1931, 25.
- Chemical industries in Great Britain need stdzn, 255.
- Chemical projects before ASA reviewed, 161.
- Civil engineering projects before ASA reviewed, 102.
- Clark, M. H.—The application of standards to production management, 141.
- Coal
 classification (M20)
 bibliography, 215.
 Burke, Dr. S. P., on sectional com, 319.
 committee meeting and rpt, 215; 294.
 Flagg, S. B., vice chmn of com, 133.
 new methods submitted to com, 109.
 clean (M26)
 committee holds organization meeting, 235.
 project initiated under ASA procedure, 198.
 Japanese standard for method of analysis, 24.
- Coal mines
 British Standards Institution prepares standards for lighting, 156; organization for stdzn, 188.
 drainage of (M6-1931), std published, 77.
 rock dusting (M13-1925), safety code widely used, 77.
- Color
 foundry patterns, color marking, std approved (B45.1-1932), 262; proposed, 248.
 Germany adopts std for airplane equipment, 324.
 specifications for dry colors recommended, 151.
 use for identification of pipe systems, Gaillard, 191.
- Commercial standards
 blankets, 313; red cedar shingles, 82.
 statement on submittal to ASA, 132.
- Company standardization
 Detroit Edison Co stdzn work, Price, 47; 85; 111.
 German machine industry, von Selzam, 147.
 Lamson and Sessions Co, Case and Buelow, 251.
 Reading Iron Co, Clark, 141.
- Connor, R. M.—The practical application and advantages of approval requirements for gas ranges, 171.
- Construction—see Building
- Conversion tables, inch-millimeter (B48)
 conference announced for Oct. 21, 1932, 263; recommends std ratio, 295.
 inch, definition of, Bearce, 287.
- Design, component parts, and stdzn of parts, Whitehead, 308.
- Detroit Edison Co, stdzn work, Price, 47, 85, 111; reprint available, 182.
- Domestic economy, Bur of Standards C397, *Safety for the Household*, 240.
- Drawings
 German designation, quality of surface finish, Gaillard, 152.
 proposed American Standard (Z14) published, 234.
- Drilling tools—see Tools, machine
- Dubravskaya, R.—The industrial stdzn program of Soviet Russia for the year 1932, 32.
- Dust explosions, safety codes (Z12) printed, 139.
- Economic conditions
 engineering employment service, 232.
 Kienzle, Dr. Otto.—The importance of stdzn in periods of depression, 237.
- Electrical definitions (C42), Farrer, 261.
- Electrical engineering projects before ASA reviewed, 34.
- Electrical equipment
 metal mines (M24-1932), std approved by ASA, 249.
 safety requirements discussed in pamphlet, 283.
- Electrical insulating materials, ASTM com (D-9) rpt, 296.
- Electrical power and wiring, graphical symbols (Z10g2) draft std available, 80.
- Electrical railways
 control apparatus (C48-1932), std approved by ASA, 77.
 overhead trolley construction (C15-1923), revision, 236.
- Electrical sockets and lamp bases, screw threads, (C44-1931), std approved by ASA, 83.
- Electrical standards com—see American Standards Assn
- Electrical traction (Z10g5), symbols, draft std, 80.
- Electrical transformers, temperature operation (C53-1932) std approved by ASA, 169.
- Electrical units
 Kennelly, A. E.—Actions of electrotechnical commission on names for metric magnetic units, 183; standardization of metric magnetic units, 284.
- Engineering, structural, symbols (Z10a-1932) approved by ASA, 82.
- Farrer, H. E.—Report on proposed American Std for elec definitions, 261.
- Federal specifications available, 122; 159; 175; 231; 257; 285.
- Ferrous metallurgy projects before ASA, reviewed, 134.
- Finishes, surface
 precision grinding and size control, Harrison, 299.
 sectional com organized to work on ASA project, 138.
- Floor and wall openings, railings and toe boards, safety code (A12-1932) approved by ASA, 194.
- Floors, concrete construction, approved by ASA, (A48-1932), 296; correction 322.
- Forbes, R.—*Purchasing for Small Cities*, review, 258; *Purchasing Laws for State, County and City Governments*, available, 190.
- Foreign standards available from ASA, 33; 65; 110; 131; 159; 200; 214; 230; 250; 285; 314.
- Form and arrangement of standards, Matthews, 223.
- Foundries
 color marking of wood foundry patterns, std submitted to ASA, 248; approved by ASA (B45.1-1932), 262.
 safety code (B8-1932) approved by ASA, 194.
- Fuel, motor, German stdzn work, 228.
- Gages
 limit, principles governing com work (B4), 263; reference temperature, 146.
 plain and thread plug and ring gage blanks (B47-1932) approved by ASA, 193; std for sale, 236.
 precision grinding and size control, Harrison, 299.
- Gaillard, John.—German std practice in surface designation, 152; Some problems of hole tolerances affecting tool manufacture, 127; A system of std paper sizes as developed in Europe, 201; The use of a std color scheme for identification of piping systems (A13-1928), 191; Value of nat stdzn to Amer industry, 243.
- Gas-burning appliances, domestic (Z21) revision of title and scope, 197.
- Gas ranges
 Conner, R. M.—The practical application and advantages of approval requirements for gas ranges, 171.
 standard (Z21a-1932) approved by ASA, 169.
- Germany
 boiler water tubes and stay tubes, 133.
 colors for airplane equipment (DIN L43), 324.
 fuel, motor, stdzn planned, 228.
 handbooks of standards, DIN Taschenbücher 4, 7, 13, 158.
 machine industry stdzn, von Selzam, 147.
 machinery speeds, 59.
 paper sizes, Gaillard, 201; widely adopted, 101; 260.
 quality of surface finish, drawings, Gaillard, 152.
 textile machinery stdzn prevents waste, Schlink, 189.
 underground installations covered by standards, 306.
 welded steel structures, 186.
- Glass, non-shatterable, stdzn requested, 235.
- Government Printing Office, std samples of paper, 232.
- Grading
 certification and labeling, Agnew and McNair, 1.
 face brick, 264.
 lumber grade marking in Boston, 157.
- Grandstands, safety code (Z20), rpt on tests, 123.
- Great Britain
 British Standards Institution
 coal mine illumination std proposed, 156.
 index available, 126.
 leMaistre, Charles, Director, visits U. S., 177.
 scope enlarged, 101.
 trade mark adopted, 101.

- chemical industries need stdzn., 255.
 coal mine stdzn., 188.
 National Testing Assn proposed, 306.
 railroad stdzn brings savings, 255.
- Grinding—see Gages
 Grinding wheels, Simplified Practice R45, revised, 264.
 Gutmann, I.—Short courses in stdzn for Soviet Russia, 187.
- Halsey, Maxwell.—Safety standards for automobile construction and maintenance, 265.
 Harrison, R. E. W.—Technique of size control in precision grinding operations, 299.
 Holland participates in internat stdzn of petroleum, 257.
 Hosiery, silk, standards suggested, 139.
 Household management—see Domestic economy
- Illuminating engg and photometric std (Z7) revised, 222.
 Inch-millimeter conversion—see Conversion tables
Industrial Standardization, new name, *ASA Bulletin*, 171; 201.
 Interlingua, proposed std internat language, 177.
 International Acetylene Assn elects H. F. Reinhard, 45.
 International Electrical Congress, Paris meeting, 231.
 International Electrotechnical Commission
 meeting with elec standards com., 30.
 metric magnetic units, *Kennelly*, 183; 284.
 standardization work of USNC and ESC consolidation, 199.
 International Standards Assn
 council changes, 131.
 Holland to participate in petroleum stdzn, 257.
 Iron castings, malleable, ASTM symposium, 99.
- Japan, adopts std method of coal analysis, 24.
 Judson, L. V.—Development of specifications for sieves in the United States, 196.
- Kennelly, A. E.—Actions of electrotechnical commission on names for metric magnetic units, 183; Standardization of metric magnetic units, 284.
 Kienzle, Dr. Otto—Importance of standardization in periods of depression, 237.
- Labeling and certification
 Agnew, P. G. and McNair, J. W.—Certification and labeling in 60 commodity fields, 1.
 legislation proposed, 151.
 Lamp holders, Edison base, Underwriters' Lab std, 97.
 Lamson and Sessions Co, stdzn in, *Case and Buelow*, 254.
 Language, internat, proposed, interlingua, 177.
 Lantern slides, scientific charts (Z15.1-1932), std approved by ASA, 323.
 Leather industry, simplification, 100.
- Lighting
 British propose std for illuminating coal mines, 156.
 emergency, project requested by NEMA, 236.
 industrial, state requirements, *Ainsworth*, 284.
 schools (A23) draft American Standard, 236.
- Limit gages—see Gages, limit
 Logan, John W.—Why the safety code for walkway surfaces (A22) has not been completed, 79.
 Lumber grading requirements in Boston, 157.
- McAllister, A. S.—National directory of commodity specifications, 227.
 Machine industry stdzn, Germany, *von Selzam*, 147; speeds, 59.
 McNair, J. W. and Agnew, P. G.—Certification and labeling activities in 60 commodity fields, 1.
- Magnetic units—see Electrical units
 leMaistre, Charles, director of BSI, visits U. S., 177.
 Management, production, application of standards, *Clark*, 141.
 Minhole frames and covers (A35), draft published, 44.
 Marketing, labeling and certification, *Agnew and McNair*, 1.
 Martino, R. A.—Relations between Bur of Standards and ASA, 176.
 Materials, testing, symbols (Z10a-1932) approved by ASA, 82.
 Matthews, E. M.—Code for form and arrangement of published standards, 223.
- Mechanical projects before ASA reviewed, 66.
 Mechanics, symbols (Z10a-1932) approved by ASA, 82.
 Merchandising, labeling, certification, *Agnew and McNair*, 1.
 Metal mines, elec equipment (M24-1932) std approved, 249.
 Mine explosive accidents, pamphlet available, 43.
 Mining projects before ASA reviewed, 315.
 Miscellaneous projects before ASA reviewed, 161.
 Moss, Sanford A.—Symbols standardization (Z10), 61.
 Motion pictures—see Moving pictures
 Motor transport—see Transportation, automotive
 Motors, standardized design and interchangeability, 228.
 Moving pictures, standards requested, 247.
- National directory of commodity specifications, 177; *McAllister*, 227.
 National elec code (C1-1931), 83; 98; 109; 221.
 National Terra Cotta Soc withdraws project (A24), 110.
 Noise measurement—see Acoustical measurements
 Non-ferrous metallurgy projects before ASA reviewed, 134.
- Oil nomenclature, API com formed, 222.
 Ores, screen testing (M5-1932), std approved, 234; published, 324.
- Packaging of overhead elec ry material, Simplified Practice R65-31, 222.
- Paper
 form and arrangement of standards, *Matthews*, 223.
 government std samples for 1933 available, 232.
 sizes
 European developments and present status, *Gaillard*, 201.
 German system widely adopted, 101; 260.
 loose leaf binders, 260.
 savings to railroads, 246.
 Pennsylvania state safety codes, *Ainsworth*, 178.
- Petroleum products and lubricants
 American Soc for Testing Materials appoints O.C. Bridgeman on com Z11, 234; Ramon L. Portillo, 221.
 American Standards Assn approves ASTM stds (Z11), 298.
 Anderson, R. P.—Methods of testing petroleum products and lubricants, 297.
 Boyd, T. A. appointed chmn of com Z11, 184.
 committee D-2 (ASTM) publishes 1932 rpt, 298.
 Holland participates in ISA project, methods of test, 257.
 scope of Z11 project broadened, 221; revision of, 250.
- Pipe and tubing, wrought iron and wrought steel (B36), com rpt, 215.
- Pipe flanges and fittings
 cast iron (B16b1-1931), std approved, 45; published, 98.
 face to face dimensions of ferrous flanged valves, draft circulated (B16i), 82.
- Pipe, lead, std approved, Lead Industries Assn, 158.
- Pipe valves and fittings, wrought iron and wrought steel, Simplified Practice R57, revision, 286.
- Piping systems, identification (A13-1928), *Gaillard*, 191.
- Plug and receptacles, attachment, Underwriters' Lab std, 97.
- Plumbing equipment (A40), revised rpt, 150.
- Price, F. M.—The standardization work of the Detroit Edison Co, 47; 85; 111; reprint available, 182.
- Punch and die holders—see Tools, machine
- Purchasing
 Detroit Edison Co methods, *Price*, 47; 85; 111; reprint, 182.
Economic Significance of Specifications for Materials, 31.
 labeling and certification, *Agnew and McNair*, 1.
 laws discussed, booklet, *Forbes*, 190.
 municipal; booklet, *Forbes*, 258.
- Quality control, review, *Economic Control of Quality of Manufactured Product*, by W. A. Shewhart, *Raymond*, 209; price corrected, 232.
- Radio
 broadcast receivers (C16d-1932), std approved by ASA, 220.
 draft std available (Z10g3), symbols, 80.
 vacuum tube base and socket dimensions (C16c-1932) approved by ASA, 220.
- Railings and toe boards, safety code (A12-1932), 194.

- Railroads**
 British savings through stdzn, 255.
 motors (C35), personnel of com submitted, 220.
 paper size stdzn brings savings, 246.
 Rating of rivers (A36), com members appointed, 248.
 Raymond, F. E.—Standards for the economic control of quality for manufactured products, book review, 209; correction 232.
 Reading Iron Co, stdzn within the company, *Clark*, 141.
Refractory materials
 American Soc for Testing Materials rpt, 257.
 Simplified Practice draft std distributed, 242.
Refrigeration, safety code for mechanical (B9-1930), revision submitted, 236.
 Refrigerators, domestic (B38c1-1932), approved, *Roe*, 78.
 Rivers, rating of, com members appointed, 248.
 Road and paving materials (A37), W. J. McGill on com, 324.
 Road machinery, std grader blades, 264.
 Robinson, Dr. Lewis T., resolutions on death, 28.
 Roe, Charles H.—American Standards Assn approves code for domestic ice refrigerators (B38c1-1932), 78.
 Rotating air cylinders and adapters (B5.5-1932), std approved by ASA, 296.
 Rubber symposium published by ASTM, 151.
 Russia—see Union of Soviet Socialist Republics
- Safety codes**
 American Standards Assn
 coal mines, rock dusting, (M13-1925), use, 77.
 construction industry, American Standards of safety, *Smith*, 320.
 dust explosions, safety codes (Z12), printed, 139.
 floor and wall openings, railings and toe boards (A12-1932), safety code approved by ASA, 194.
 foundries, safety code (B8-1932), approved by ASA, 194.
 projects before ASA reviewed, 290.
 sanitation, industrial (Z4), draft, 235.
 ventilation std requested, 249.
 walkway surfaces (A22), *Logan*, 79; correction to Dec 1931 item, 80; necessity for code, 259.
 electrical equipment, safety requirements, pamphlet, 283.
 Pennsylvania state safety codes, *Ainsworth*, 178.
 Safety Congress and Exposition, annual meeting, 1932, 240.
 Sanitation, industrial, safety code (Z4) draft, 235.
 Savings due to standardization
 American standards aid in mfg economy, *Gaillard*, 243.
 British railroad stdzn, 255.
 Detroit Edison Co, stdzn work, *Price*, 47; 85; 111.
 drilling tool stdzn, 256.
 Lamson and Sessions Co stdzn, *Case and Buelow*, 251.
 motor transport system in army, 175.
 paper size stdzn helps railroads, 246.
 textile machinery stdzn in Germany, *Schlink*, 189.
 Schlink, F. J.—Standardization of textile machinery in Germany to prevent waste, 189.
 Schools, lighting (A23) draft std submitted to ASA, 236.
Screw threads
 electrical sockets and lamp bases (C44-1931) std approved by ASA, 83.
 fire hose couplings (B26-1925), wider adoption, 236.
 Selzam, H. von.—Standardization and single-unit production in the machine industry, 147.
 Shewhart, Dr. W. A.—*Economic Control of Quality of Manufactured Product*, review, *Raymond*, 209; correction, 232; lectures in London, 156.
Sieves for testing purposes (Z23)
 committee holds organization meeting, 45.
 development of specifications, *Judson*, 196.
 Parkin, J. H. appointed to sectional com, 190.
 Silver Bay Industrial Inst, meeting, July 8-22, 195.
 Slate, Simplified Practice recommendations, reaffirmed, 226.
 Smith, W. R.—American standards of safety in the construction industry, 320.
 Society of Motion Picture Engrs requests standards, 247.
 Standardization courses in Russia, *Gutmann*, 187.
- Standards**
 form and arrangement, published, *Matthews*, 223.
 importance of use, 190; 259.
 necessity for executive cooperation, 306.
 necessity for periodic survey, 305.
 Statistics, relation to industrial stdzn, 156.
- Steel**
 bars, reinforcing (A47-1932) approved by ASA, 81.
 embrittlement, ASTM report, 313.
 spiral rods, concrete reinforcement (A38-1927) revision, 319.
 welded structural, in Germany, 186.
 Stone, crushed, grading, 160.
 Streets, maintenance to be studied, 157.
Surfaces, machine
 finish quality designated in German drawings, *Gaillard*, 152.
 finishes (B46), stdzn work started by com, 138.
 Symbols—see Abbreviations and symbols
- Tanks**, Nat Board of Fire Underwriters, std revised, 82.
- Temperature**
 reference, limit gages, 146.
 transformer operation (C53-1932) approved by ASA, 169.
 Terra cotta, architectural, project withdrawn (A24), 110.
 Textile machinery, German stdzn, savings, *Schlink*, 189.
 Textile projects before ASA reviewed, 161.
 Tire and Rim Assn, 1932 *Year Book* available, 232.
- Tolerances**
 cylindrical parts and limit gages (B4), com work, 263.
 tool manufacture, *Gaillard*, 127.
- Tools**
 forged, Simplified Practice R17-31, reaffirmed, 260.
 machine
 accuracy in precision grinding, *Harrison*, 299.
 drilling, stdzn would bring savings, 256.
 lathe tool nomenclature to be standardized (B5), 108.
 punch and die holders (B5) draft published, 235.
 rotating air cylinders and adapters (B5.5-1932), 296.
- Transformers**, electric—see Electrical transformers
- Transportation**, automotive, army saves by stdzn, 175.
 Transportation projects before ASA reviewed, 134.
- Underground installations**, German std, 306.
- Underwriters' Laboratories**
 re-examination service, 231.
 standard for Edison base lamp holders, 97.
- Unemployed**, engg organizations employment work, 232.
- Union of Soviet Socialist Republics**
 courses in stdzn, *Gutmann*, 187.
 standardization program for 1932, *Dubravskaya*, 32.
- Ventilation**, std requested by ASHVE, 249.
- Walkway surfaces**, safety code (A22), correction to Dec 1931 item, 80; necessity for, 259; reasons why code has not been completed, *Logan*, 79.
- Washers**, plain and lock (B27), draft available, 139.
- Watson, C. G.**—The importance of stdzn in the welding industry, 185.
- Welding**
 standardization important to industry, *Watson*, 185.
 standards valuable, 286.
 steel structures in Germany, 186.
- Whitehead, T. N.**—Planning standardized components to secure variety in products, 308.
- Wire**, copper (H17.1-1932) (H17.2-1932) standard approved, 262.
- Wires and cables**
 definitions and general standards (C8a-1932) approved, 219.
 heat-resisting (C8k2-1932) std approved by ASA, 219.
 publication of three new standards, 319.
 weatherproof (C8k1-1932) approved, 219.
- Wood poles**, Bell Telephone Laboratories monographs, 82.
 Wood projects before ASA reviewed, 161.
- Zinc coating of iron and steel (G8)**
 Ekblaw, K. J. T., appointed to com by ASAE, 130.
 Maucher, W. L., appointed to com by NEMA, 43.

on, 319.

d, 152.

2.

A, 169.
110.
9.

263.

, 108.

96.

32.

c 1931
as not

elding

ats to

l ap-

, 219.
19.

2.